

✓ **MULTI-CURRENT SWITCHING & DIMMING**

**Switch-Hitter™**

Constant Current LED Driver

**Model Number**  
**AC32CDI.05AQB**

**AC32CDI.05AQE**

Input Voltage: 120-277V

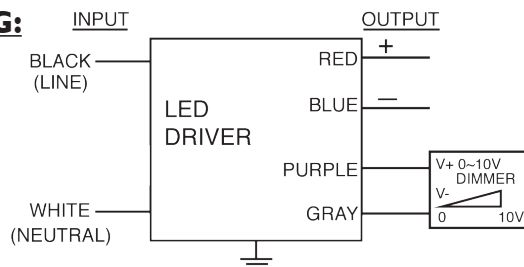
Input Frequency: 50/60Hz

Bottom Mount/Leads

**ELECTRICAL SPECIFICATIONS:**

Output Power Max.	Input Power	Input Current	Min. PF (full load)	Max. THD (full load)	Output Voltage	Output Current	T case Max.	Min. Starting Temp.	Efficiency Up To	IP Rating	Dimming Protocol	Dimming Range
32W	38W	0.32A @ 120V 0.14A @ 277V	>0.90	<20%	10-30V	1050mA±5%	90° C	-40° C	84%	64	0 to 10V	10 to 100%
29W	35W	0.3A @ 120V 0.13A @ 277V	>0.90	<20%	10-30V	950mA±5%	90° C	-40° C	83%	64	0 to 10V	10 to 100%
21W	26W	0.22A @ 120V 0.1A @ 277V	>0.90	<20%	10-30V	700mA±5%	90° C	-40° C	82%	64	0 to 10V	10 to 100%
15W	19W	0.16A @ 120V 0.07A @ 277V	>0.90	<20%	10-30V	500mA±5%	90° C	-40° C	82%	64	0 to 10V	10 to 100%

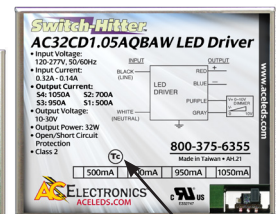
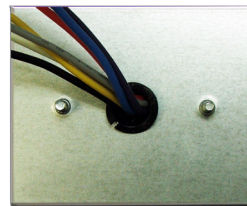
**WIRING:**



**Wiring Lead Lengths**

White	5.9"	Red	5.9"	Gray	5.9"
Black	5.9"	Blue	5.9"	Purple	5.9"

**PHYSICAL:**



**HOT SPOT**

**Dimensions**

Length	4.37"	Mounting Length	4.02"
Width	3.07"	Weight	lbs.
Height	1.26"	Case Qty.	20 pcs.

**Driver Option:**

- 12V Output Tap Wire (AC32CDI.05AQEAW)
- IP 67 Rating
- 10% dimming, Dim-To-Off and 1%
- 10Kv Surge Protection
- Consult Factory for model number and form factor

**SAFETY & PERFORMANCE:**

- UL and cUL Recognized, Class 2
- UL Outdoor Type I
- Class A sound rating
- No PCBs
- Overload Protection
- Open/Short Circuit Protection
- LED driver has a life expectancy of 50,000 hours at Tcase of ≤75°C
- LED driver has a life expectancy of 100,000 hours at Tcase of ≤65°C
- Warranty: 5 yrs based on max case temp of <75°C; 3 yrs based on max case temp of 90°C\*
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (3 KV)

**INSTALLATION:**

- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned strand copper lead-wires are required for installation
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded



\*AC Electronics/AC LED Power Designs warrants to the purchaser that each LED Driver will be free from defects in material or workmanship for a period of 5 years when operated at max case temp of up to <75°C; 3 years from date of manufacture when operated at a max case temp of up to 90°C when properly installed and under normal conditions of use. See [aceleds.com](http://aceleds.com) for complete warranty policy.

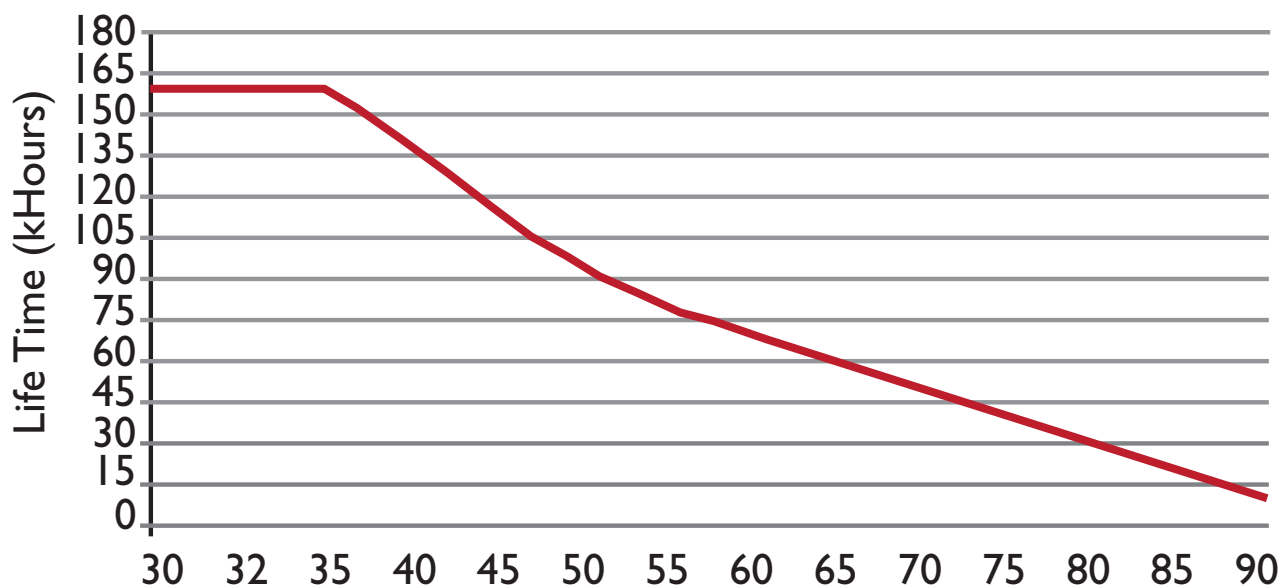
3401 Avenue D, Arlington, TX 76011 • 800-375-6355 • [www.aceleds.com](http://www.aceleds.com)

Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.



Performance Characteristics

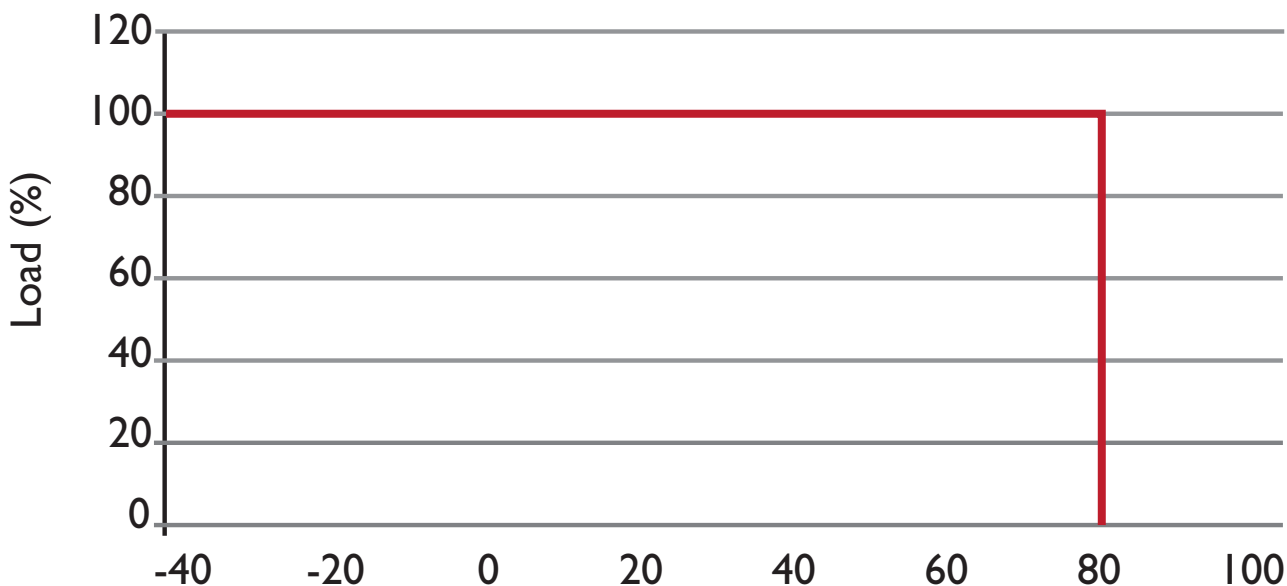
Life Time v.s. Case Temperature Curve



Case Temperature Curve (°C)

Derating Curve

120Vac & 277Vac



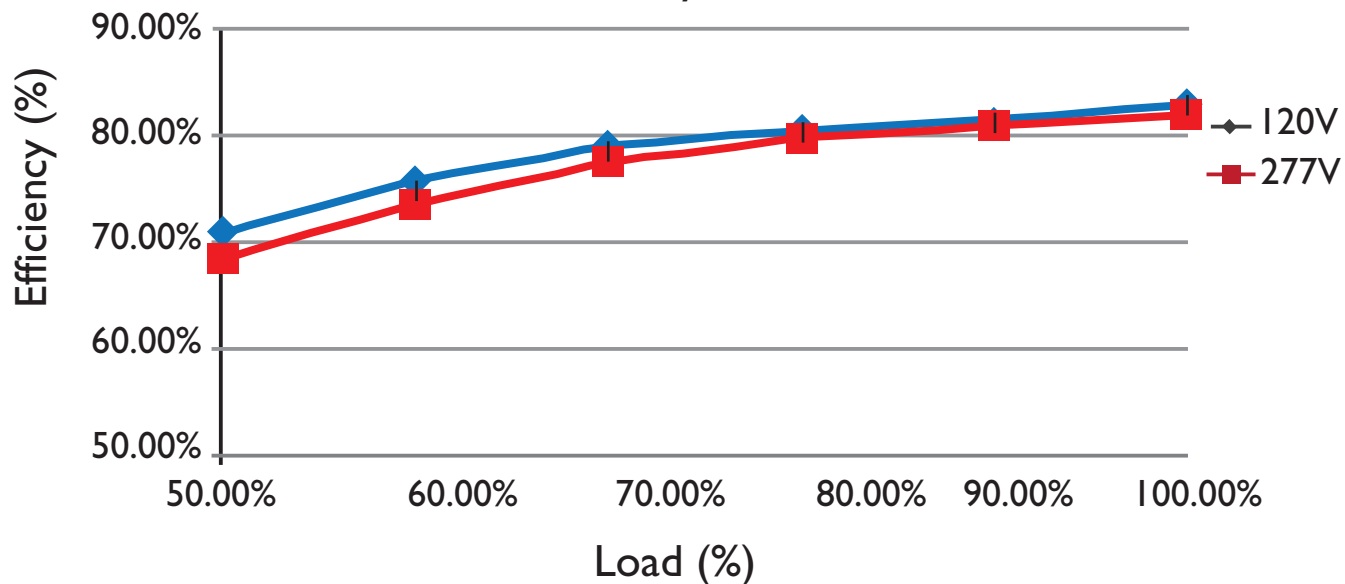
Outside Driver Ambient Temperature (°C)

3401 Avenue D, Arlington, TX 76011 • 800-375-6355 • [www.aceleds.com](http://www.aceleds.com)

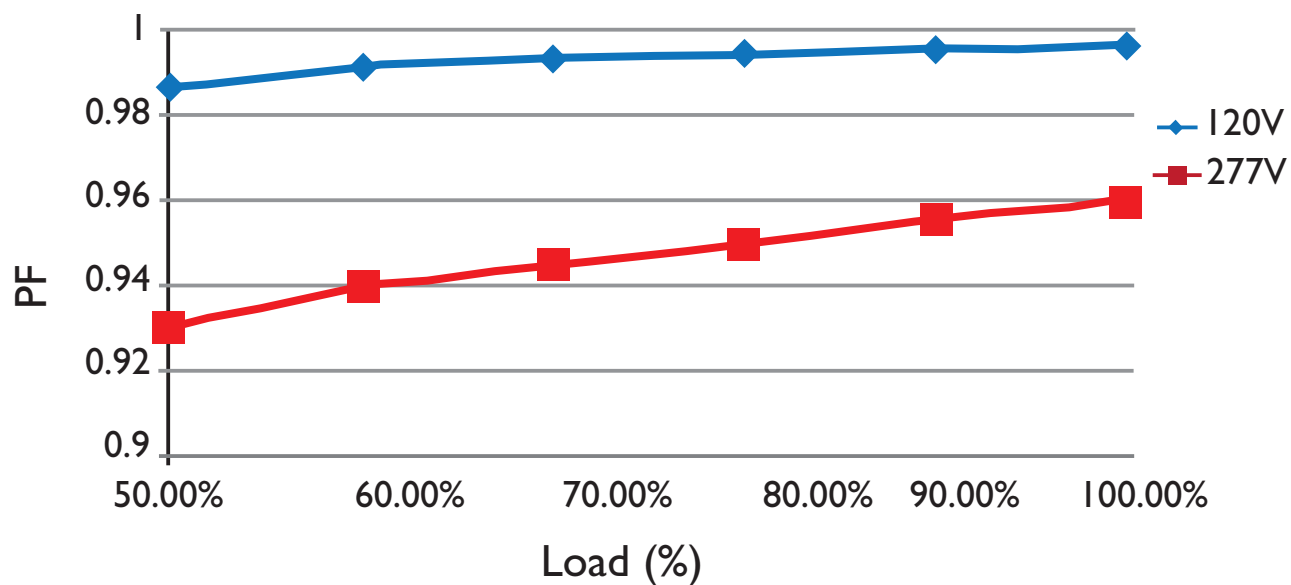
Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

**Performance Characteristics**

**Efficiency v.s. Load**



**Power Factor v.s. Load**

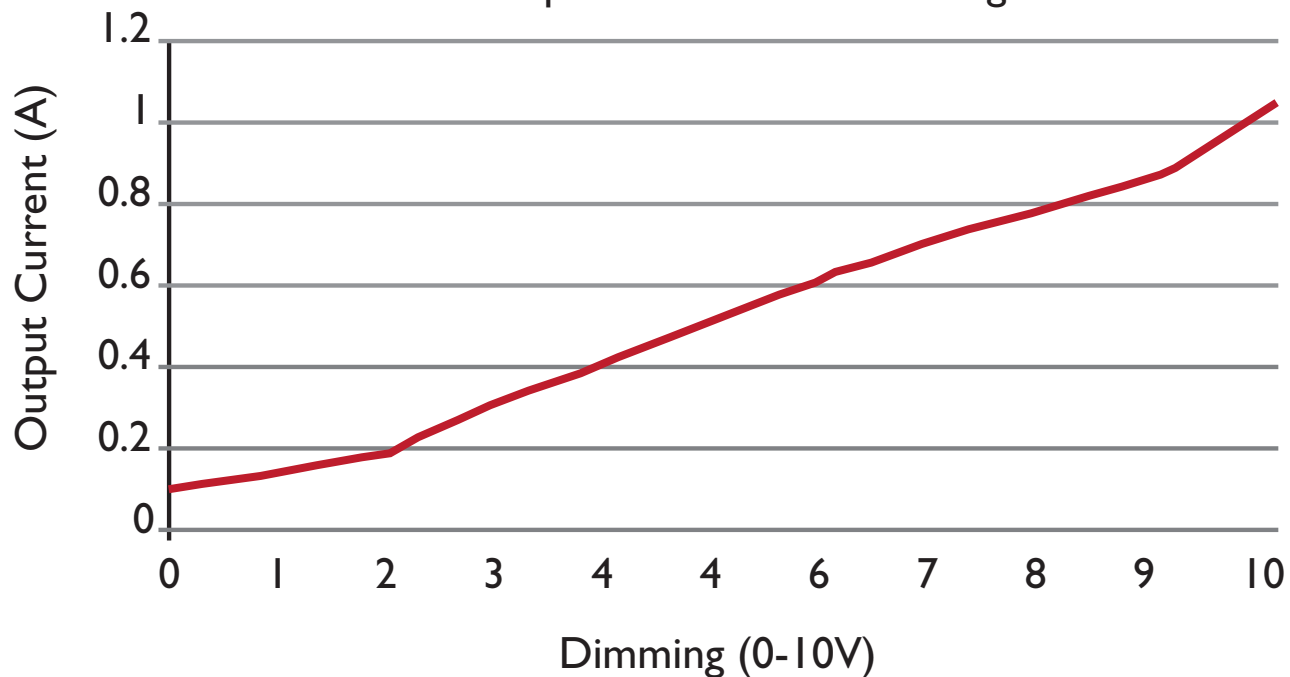


3401 Avenue D, Arlington, TX 76011 • 800-375-6355 • [www.aceleds.com](http://www.aceleds.com)

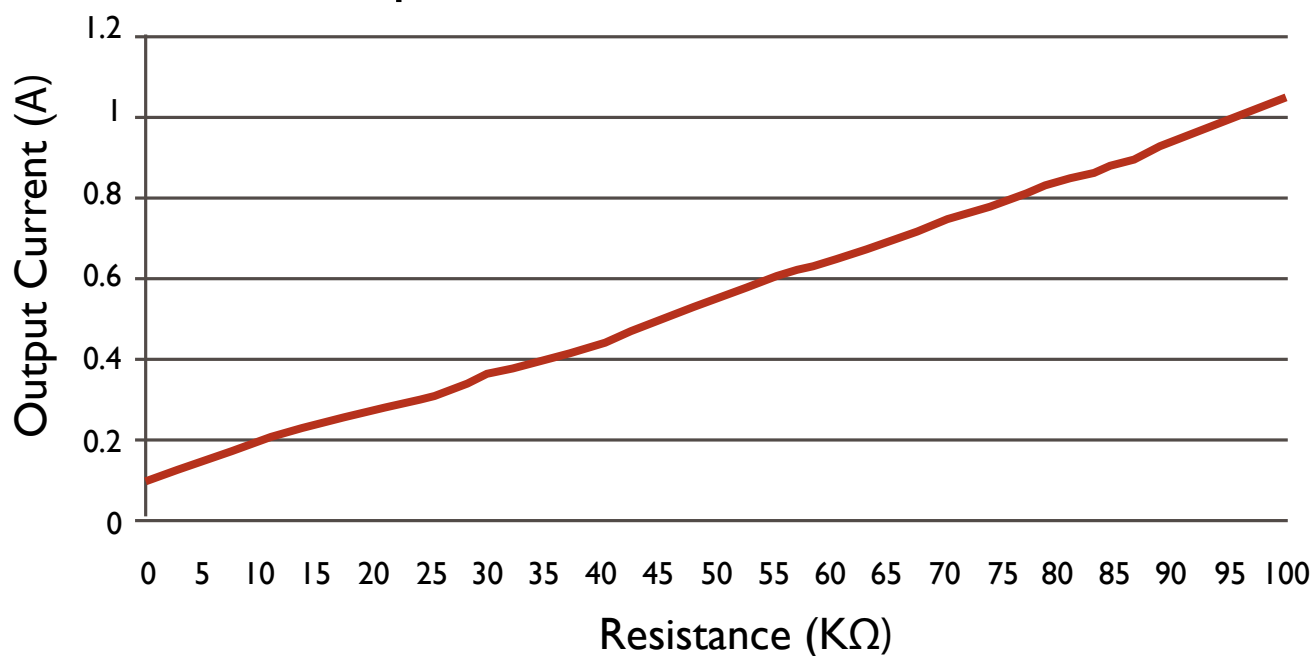
Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

Performance Characteristics

Output Current v.s. Dimming



Output Current v.s. Resistance



3401 Avenue D, Arlington, TX 76011 • 800-375-6355 • [www.aceleds.com](http://www.aceleds.com)

Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.